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between the Cambrian of Shantung, China, and the Cordilleran sections which the author will discuss in a future paper upon the Cambrian faunas of China.

C. J. H.

Studies of Frost and Ice Crystals. By WILSON J. BENTLEY. Reprinted from the *Monthly Weather Review* for August, September, October, November, and December, 1907. Jericho, Vt., 1907.

This interesting memoir on frost and ice crystals deals with their forms, structure, life-history, and general relations. It contains twenty pages of descriptive matter and thirty-one plates.

C. J. H.

Lime and Cement Resources of Missouri. By H. A. BUEHLER. Missouri Bureau of Geology and Mines, Vol. VI, 2d Series. 255 pp., 35 pls., map. Jefferson, 1907.

This report describes the raw materials used in the manufacture of lime and cement; their uses, properties, and methods of manufacture; also a general description (by counties) of the formations affording these materials.

C. J. H.

Geology and Physical Geography of East Greenland. By OTTO NORDENSKJOLD. Reprinted from "Meddelelser om Grönland," Vol. XXVIII, pp. 153-285, 4 colored plates. Copenhagen, 1908.

This reprint contains some of the observations of the Danish expedition of 1900. Many rock specimens were collected for petrographical study. The great central rock-mass of Greenland is crystalline, principally composed of primary gneisses, schists, syenites, porphyries, and basalts. Their age is early Archean. Around the central mass is a fringe, 50 to 75 miles wide, of sedimentaries, the oldest being Silurian. They are quite fossiliferous. Both the crystallines and the sedimentaries show the effects of extensive vulcanism.

The physiographic features described are: the fiords, the non-glaciated southern part of Jamesland, those of the coast-border, the central mass configuration of the country by glaciation, and fault valleys.

C. J. H.